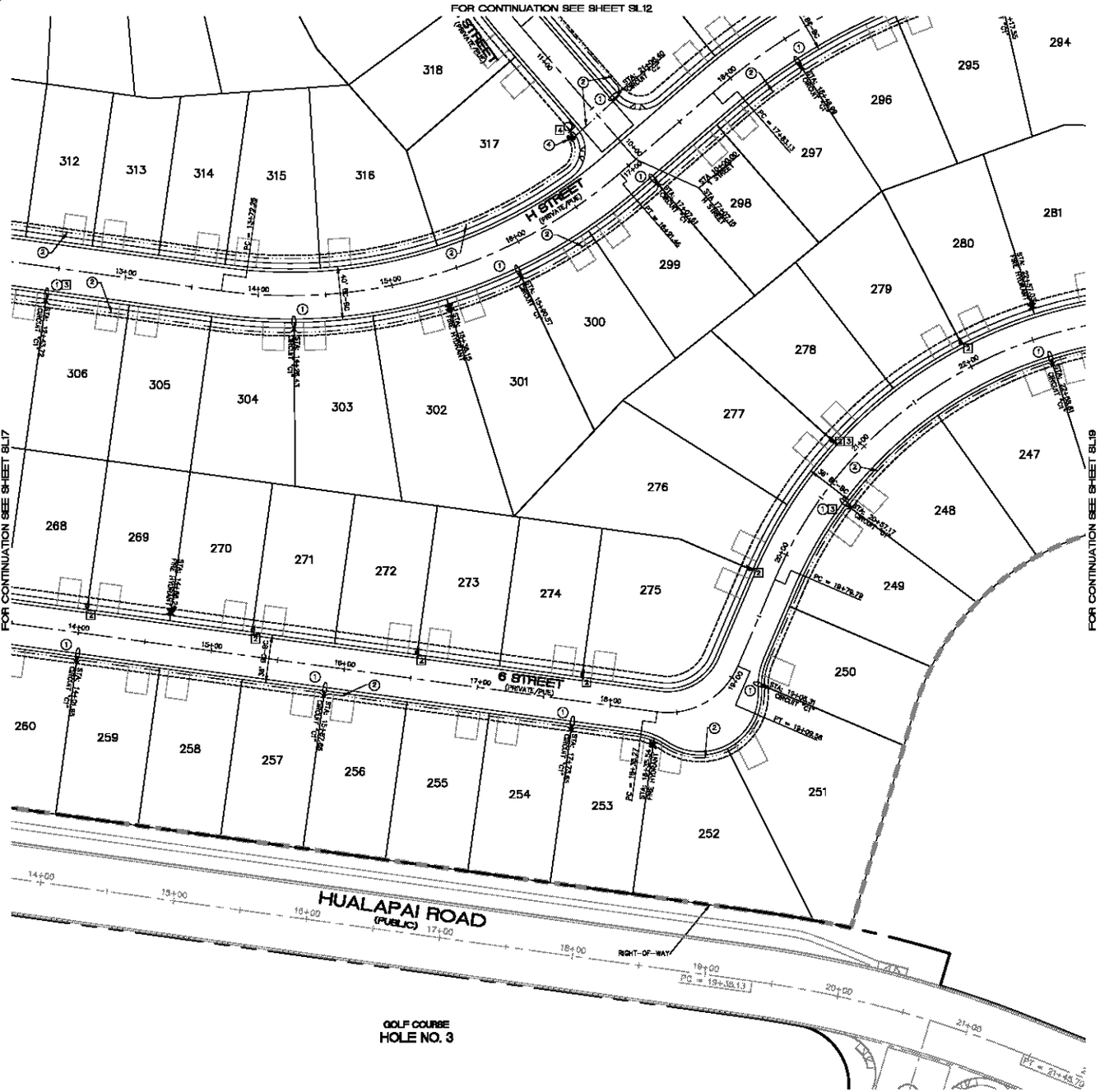
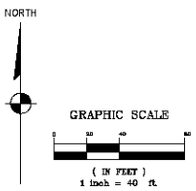




NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT "A"

STREETLIGHT CIRCUIT "A1" CAPACITY VERIFICATION

LOCATION: ENTRANCE AT LOOP ROAD		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	37 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
7 EA – 100 WATT @ 1.0 AMPS EACH	=	7.0 AMPS
TOTAL PROPOSED LOAD	=	7.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	44.0 AMPS
REMAINING AVAILABLE LOAD	=	4.0 AMPS

STREETLIGHT CIRCUIT "A2" CAPACITY VERIFICATION

LOCATION: ENTRANCE AT LOOP ROAD		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	21 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
24 EA – 100 WATT @ 1.0 AMPS EACH	=	24.0 AMPS
TOTAL PROPOSED LOAD	=	24.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	45.0 AMPS
REMAINING AVAILABLE LOAD	=	3.0 AMPS

NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT "B"

STREETLIGHT CIRCUIT "B1" CAPACITY VERIFICATION

LOCATION: SWC OF G STREET AT K STREET		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	28 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
16 EA – 100 WATT @ 1.0 AMPS EACH	=	16.0 AMPS
TOTAL PROPOSED LOAD	=	16.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	45.0 AMPS
REMAINING AVAILABLE LOAD	=	3.0 AMPS

STREETLIGHT CIRCUIT "B2" CAPACITY VERIFICATION

LOCATION: SWC OF G STREET AT K STREET		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	15 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0 EA – 100 WATT @ 1.0 AMPS EACH	=	0.0 AMPS
TOTAL PROPOSED LOAD	=	0.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	15.0 AMPS
REMAINING AVAILABLE LOAD	=	33.0 AMPS

NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT "C"

STREETLIGHT CIRCUIT "C1" CAPACITY VERIFICATION

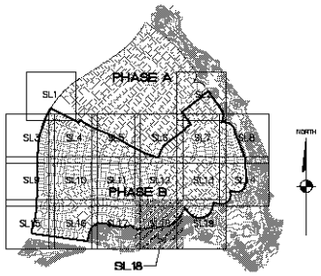
LOCATION: NEC OF H STREET AT WEST LOOP ROAD		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
25 EA – 100 WATT @ 1.0 AMPS EACH	=	25.0 AMPS
TOTAL PROPOSED LOAD	=	25.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	25.0 AMPS
REMAINING AVAILABLE LOAD	=	13.0 AMPS

STREETLIGHT CIRCUIT "C2" CAPACITY VERIFICATION

LOCATION: NEC OF H STREET AT WEST LOOP ROAD		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
46 EA – 100 WATT @ 1.0 AMPS EACH	=	46.0 AMPS
TOTAL PROPOSED LOAD	=	46.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	46.0 AMPS
REMAINING AVAILABLE LOAD	=	2.0 AMPS

STREETLIGHT CIRCUIT "D1" CAPACITY VERIFICATION

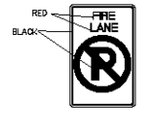
LOCATION: SWC OF H STREET AT 7 STREET		
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
28 EA – 100 WATT @ 1.0 AMPS EACH	=	28.0 AMPS
TOTAL PROPOSED LOAD	=	28.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	28.0 AMPS
REMAINING AVAILABLE LOAD	=	20.0 AMPS



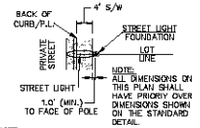
KEYMAP
N.T.S.

LEGEND

- 1 1/4" STREET LIGHT CONDUIT
- PROPOSED 100 W HPS LUMINAIRE
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS
- PROPOSED BARRICADE



FIRE LANE SIGN (12"X 18")
RED AND BLACK ON WHITE
LUMINOUS BACKGROUND



NOTE:
IN LOCATIONS WHERE LIGHT POLE IS NOT ADJACENT TO A SIDEWALK, FACE OF POLE TO BE 3' FROM BACK OF CURB.

STREETLIGHT LOCATION
N.T.S.

LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHEET DT5
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHEET DT5
3. INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHEET DT5
4. INSTALL NO. 3 1/2 PULL BOX PER DET. NO. 326 ON SHEET DT5
5. REMOVE CAP AND CONNECT TO EXISTING STUB

TRAFFIC CONSTRUCTION NOTES

1. INSTALL W14-2 "NO OUTLET"
2. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
3. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
4. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 9" D3 "STREET NAME SIGNS"
5. INSTALL TWO 9" D3 "STREET NAME SIGN"
6. INSTALL RED AND WHITE STRIPED BARRICADE PER MAG STANDARD DETAIL NO. 130 AND LATEST MUTCD MANUAL

*NOTES:
NOT ALL NOTES USED ON THIS SHEET.
ALL SIGNAGE SHALL BE PER THE LATEST MUTCD MANUAL.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly. Call before you Dig 1-800-782-5348 (1-800-STAKE-IT)

Avoid overhead power lines contact. Call before you Overhead 1-928-753-0591

BASIS OF BEARINGS

NORTH 00°13'38" EAST – THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (A283-HPGN), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" – LATITUDE 35°09'22.70034"N,
LONGITUDE 114°09'21.57240"W (NAD '83)
HEIGHT 2562.48391ift (NAVD'88)

STONE 1/4 COR 3/2 = LATITUDE 35°08'55.53385"N,
LONGITUDE 114°10'30.72281"W (NAD '83)
HEIGHT 2428.20458ift (NAVD'88)

BENCHMARK

BENCHMARK: # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 IFT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 4-12-06

Registered Landscape Architect
42874
STEVEN A. HAGEL
ARIZONA, U.S.A.

NO.	DESCRIPTION	DRAWN BY	APPROVAL	DATE

SCALE (H) 1" = 40'
SCALE (V) NONE
DRAWN BY CD/RM
CHECKED BY SH/DB
DATE 4-12-06

Stanley Consultants INC.
1800 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89104
(702) 369-5399 FAX (702) 369-9783
www.stanleygroup.com

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
AREA 1 - PHASE B
STREET LIGHT AND TRAFFIC CONTROL PLAN 18
MOHAVE COUNTY ARIZONA

SHEET
SL18
68 OF 105 SHEETS

SCI PROJECT#
18476

Case 09-14814-gwz Doc 1235-6 Entered 08/13/10 15:14:48 Page 1 of 1
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